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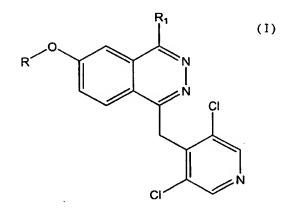
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### (54) Title: PHTHALAZINE DERIVATIVES AS PHOSPHODIESTERASE 4 INHIBITORS



(57) Abstract: Compounds of formula I wherein R and  $R_1$  are as defined in the description. The compounds of formula I are PDE 4 inhibitors.



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PCT/EP 03/14733 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/502 C07D401/06 C07D413/14 C07D409/14 A61P29/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (dassification system followed by classification symbols) IPC 7 C07D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 00 005218 A (ZAMBON GROUP S.P.A., 1-10 ITALY) 3 February 2000 (2000-02-03) cited in the application claims 1,11,12; example 125 WO 99 32456 A (ALVAREZ BUILLA JULIO G Α 1-10 ;GARCIA NAVIO JOSE LUIS (ES); SIRO HERRERO) 1 July 1999 (1999-07-01) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the the principle. "A" document defining the general state of the art which is not considered to be of particular relevance Invention 'E' earlier document but published on or after the International filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art 'O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed in the art. "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 25 March 2004 06/04/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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Information on patent family members

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